Name:

Can you:

\_\_\_\_\_ Identify the domain & range of a relation from a graph;

\_\_\_\_\_ Find intervals of increasing and decreasing;

\_\_\_\_\_ Find the *x*- and *y*-intercepts of a graph;

\_\_\_\_\_ Identify the end behavior of a relation from a graph;

\_\_\_\_\_ Determine if a relation in a graph has symmetry and if so, what kind;

\_\_\_\_\_ Find relative and absolute maxima and minima of a relation from a graph

\_\_\_\_\_ Solve *f*(*x*) = ? and solve *f*(?) = *y;*

\_\_\_\_\_ Describe the features of a graph;

\_\_\_\_\_ Draw a graph based on features given (domain, range, intervals of increasing/decreasing), etc.;

\_\_\_\_\_ Compare functions in different forms (table, graph, story);

\_\_\_\_\_ Make a table, graph, or story for a graph given one of the above three things;

\_\_\_\_\_ Compare rates of change given a graph;

\_\_\_\_\_ Match a graph to a function family;

\_\_\_\_\_ Transform a graph given a set of transformations;

\_\_\_\_\_ Identify the transformations of a graph given the parent function and the transformed function;

How to prepare:

\_\_\_\_\_ Review the Introduction to Graphing\* packet;

\_\_\_\_\_ Review the Domain & Range\* packet with all of the worksheets in it;

\_\_\_\_\_ Review the Representational Fluency graphing\* packet;

\_\_\_\_\_ Review the Reading Graphs of Functions” packet

\_\_\_\_\_ Review the Which Graph is It?\* activity

\_\_\_\_\_ Review the card-matching game\* (see Ethan’s/Zhen Hua’s and Jenesis’s/Alex D’s posters from Delta

period on the wall for examples);

\_\_\_\_\_ Review the Distance/Time graphs activity\* (see Adia’s/Kwakou’s on the wall for examples)

\_\_\_\_\_ Review the Families of Functions cut-apart cards activity\*;

\_\_\_\_\_ Review the Mini-Cooper transformations packet\*;

\_\_\_\_\_ Look at videos on LearnZillion or Khan Academy;

\_\_\_\_\_ Do online review with [www.regentsprep.org](http://www.regentsprep.org), [www.ixl.com](http://www.ixl.com), [www.math.com](http://www.math.com), [www.sosmath](http://www.sosmath), or

[www.purplemath.com](http://www.purplemath.com), ;

\_\_\_\_\_ Work with a partner to describe a graph well enough that your partner can draw it; trade places;

\_\_\_\_\_ Study with another student from this class or from Mr. Davis’s delta or eta period;

\_\_\_\_\_ Work with a partner or a small group to create problems for each other to solve;

\_\_\_\_\_ Make an **appointment** to see Ms. Raskin at break, lunch, or tutorial and come prepared with specific

questions.

\*All worksheets and packets are in the Google Drive folder.